
Public Notice

Applicant:

New York State Department
Transportation

Date:

of Published: February 3, 2003
Expires: March 4, 2003

**U.S. Army Corps
of Engineers**

In Reply Refer To:

Buffalo District **CELRB-TD-R RE:** 2003-00116(0) **Section:** NY 404

**Application for Permit under Authority of
Section 404 of the Clean Water Act (33 U.S.C. 1344).**

The New York State Department of Transportation (NYSDOT), 107 Broadway, Hornell, New York 14843 has applied for a Department of the Army (DA) permit to discharge fill material associated with channel work and bridge replacement in McDuffy Creek located at the Route 224 bridge, in the Town of Van Etten, Chemung County, New York.

The NYSDOT proposes to replace the existing Route 224 bridge on the same alignment. The new structure will have a longer span increasing the hydraulic opening. Temporary cofferdams will be installed surrounding the existing abutements prior to their removal. A temporary detour bridge will be installed to the north of the existing structure during construction. The temporary bridge will not entail a discharge of fill material into a water of the US and is therefore not regulated.

The McDuffy Creek channel has a history of scour problems at this location. In 1997, The NYSDOT installed a steel sheetpile check dam downstream of the bridge to protect the structure from scour damage. A DA permit was not required for this activity since it did not involve a discharge of fill. The check dam reduced the velocity of the stream causing a large amount of deposition to occur under and upstream of the bridge. The NYSDOT proposes to remove 3159 cubic yards of accumulated material from the stream channel beginning at the existing check dam to a point approximately 525 feet upstream. The checkdam will be removed via cutting it off or driving it down to the downstream bottom elevation. The removal of this check dam is not a regulated activity. A total of approximately 704 feet of stream channel will be regraded during the excavation activity to adjust the thalweg (deepest part of the stream channel) location to the center of the channel.

A total of approximately 1394 cubic yards of heavy stone fill will be placed below ordinary high water to stabilize the stream banks.

Approximately 492 feet of the west bank will be stabilized with this heavy stone fill, including 144 feet of existing riprap. About 597 feet of the east bank will be stabilized with this heavy stone fill, including 161 feet of existing riprap. The NYSDOT proposes to use a berm of material from the existing stream channel to isolate the heavy stone work from McDuffy Creek. In addition, three rock drop structures or check dams will be installed about 200 feet upstream of the bridge. The rock drop structures will require 93 cubic yards of heavy stone fill. Finally, a steel sheet pile checkdam driven to the finished streambed elevation will be installed upstream of the rock drop structures to maintain the stream profile should the rock structures fail. Installation of the steel checkdam is not a regulated activity.

The NYSDOT has indicated that the purpose of the channel work is necessary to protect the new bridge structure from scour and erosion.

The NYSDOT has indicated that natural stream design techniques were thoroughly investigated for use in this stream but were determined to be inadequate since they would be destroyed by a greater than 5-year flood flow.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Bridget E. Brown, who can be contacted by calling (315) 255-8090, or by e-mail at: bridget.brown@usace.army.mil

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 7413 County House Road, Auburn, New York 13021, and should be marked to the attention of Bridget E. Brown, or by e-mail at: bridget.brown@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he

can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

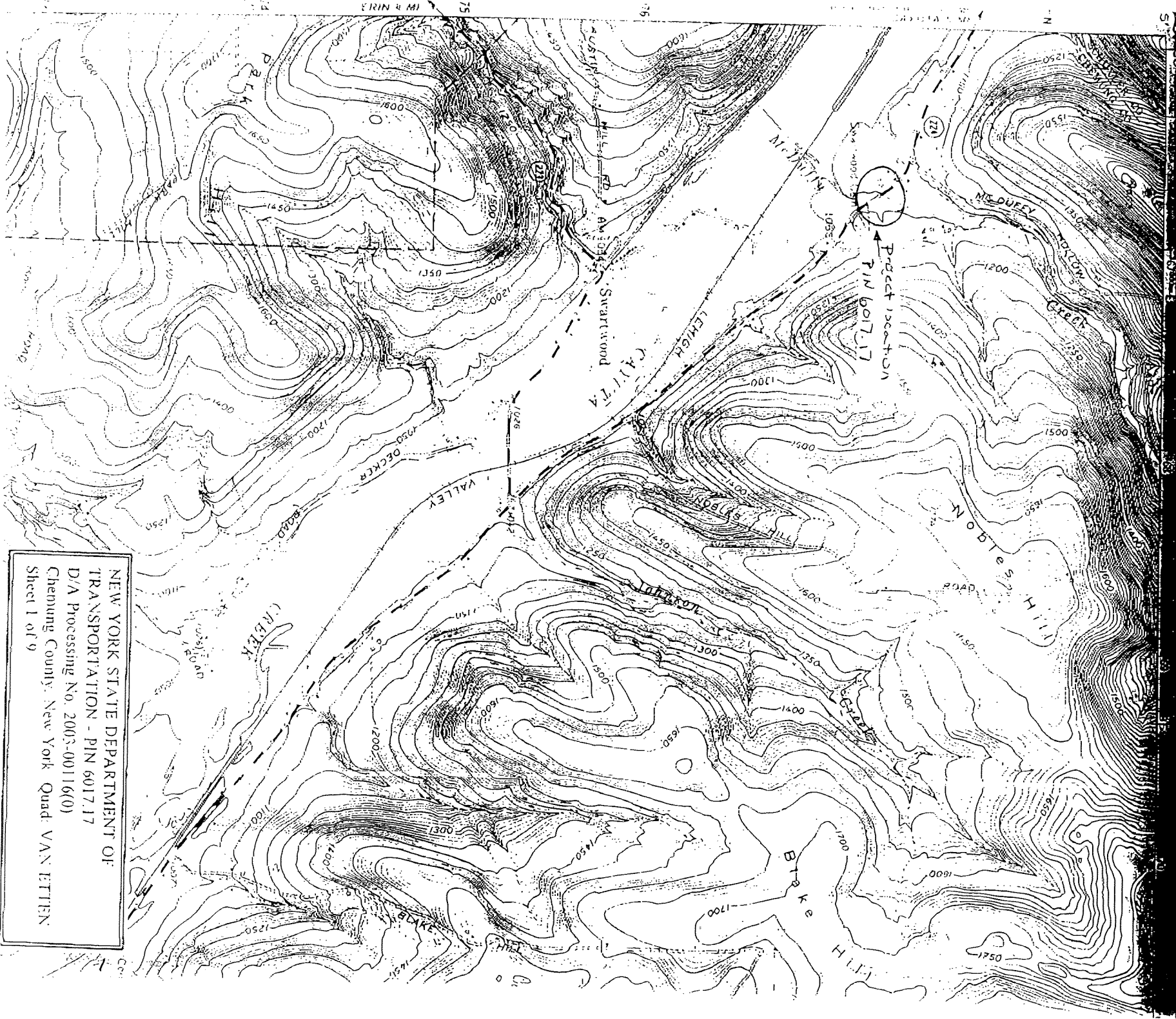
The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Paul G. Leuchner
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.

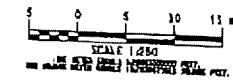
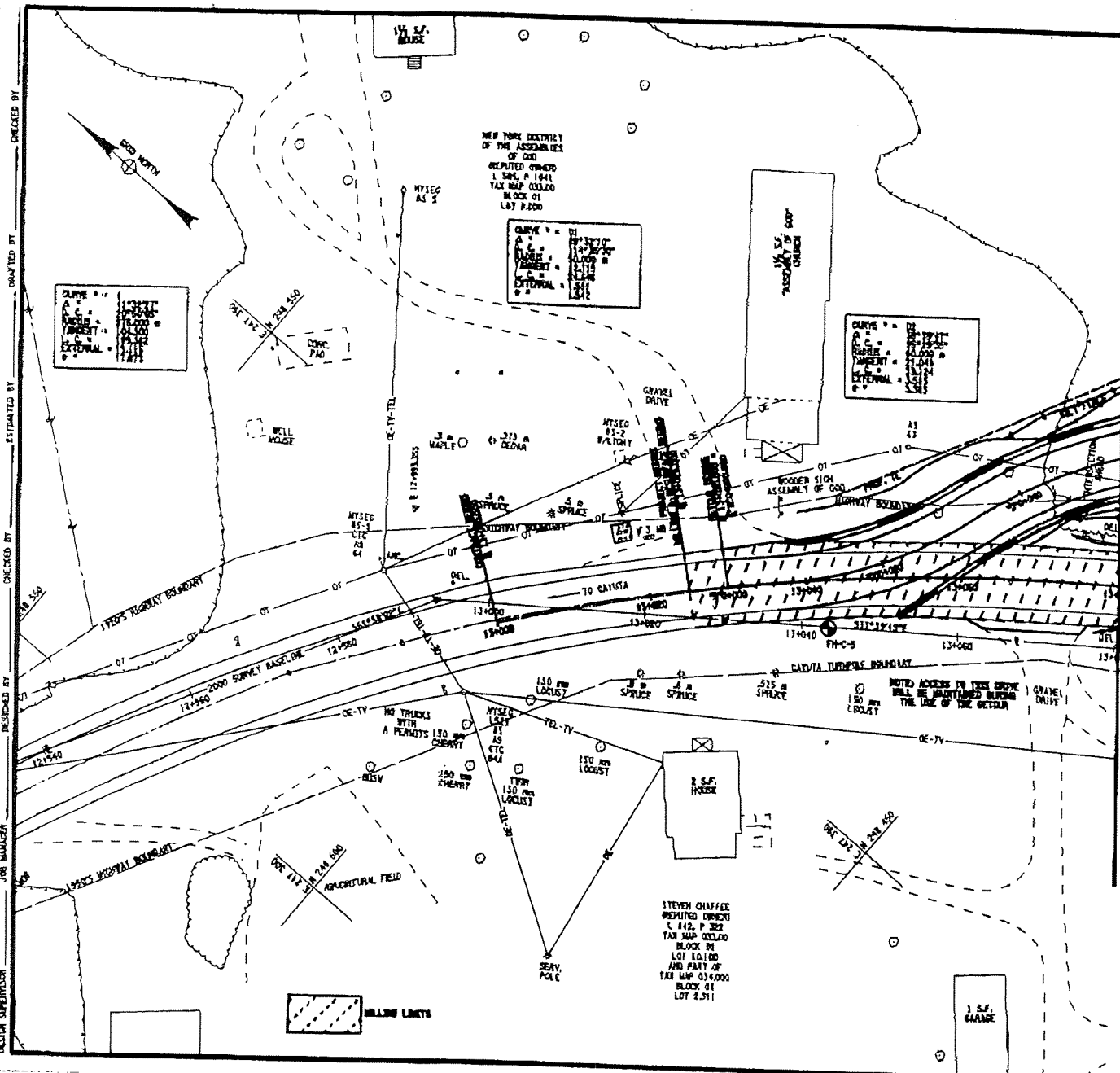
Van Etten Quad



NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETTEN
Sheet 1 of 9

NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETTEN
Sheet 2 of 9

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		23	
S.R. 224 BRIDGE REPLACEMENT STA. 02+02				
RIN 1041310 OVER MCCUFFY CREEK				
TOWN OF VAN ETTEN				
CHEMUNG COUNTY				
P.L.R. 0017.17			S.J.M. 1041310	



ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
AS SHOWN REVISIONS

SIGNATURE		DATE	
MCCUFFY CREEK PLAN VIEW			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 0017.17	REVISION 1	DATE 12/17/03	DRAWN BY S.J.M.

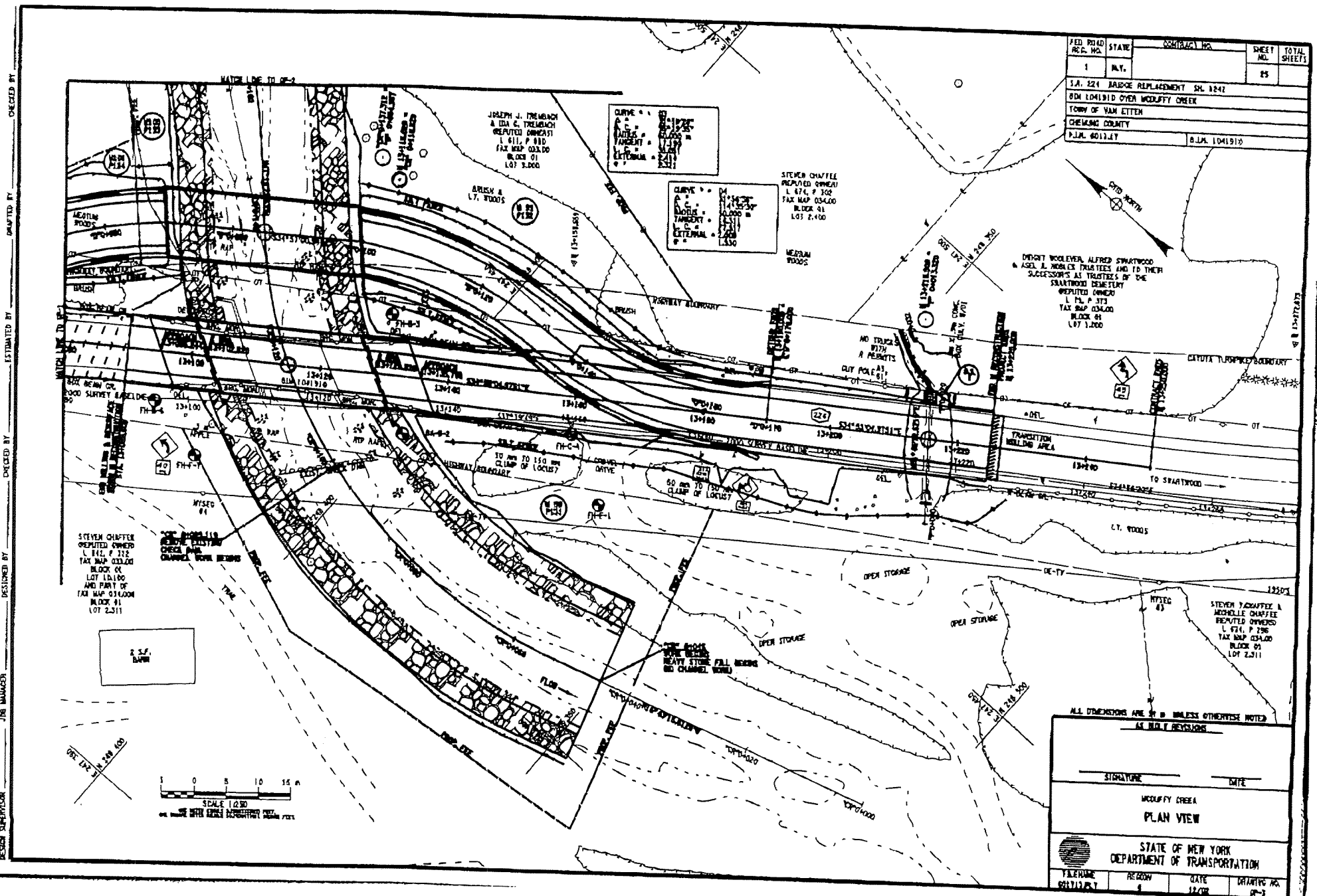
NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETEN
Sheet 3 of 9

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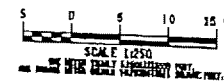
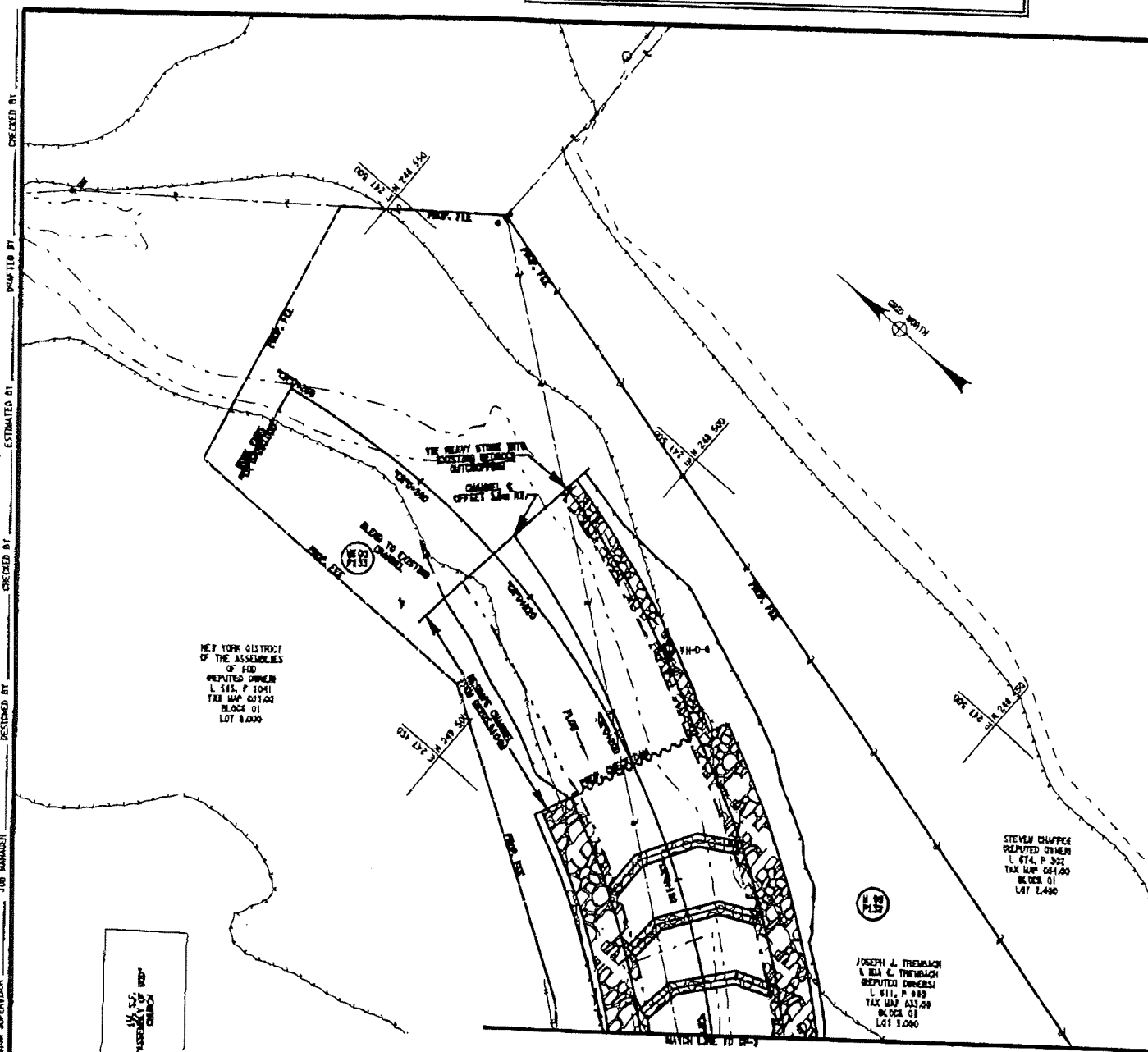
USACE LOGISTICS

PAGE 04



NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETTEN
Sheet 4 of 9

FED ROAD AEC. NO.	STATE	COUNTY NO.	SHEET NO.	TO SHEET
1	N.Y.		24	
S.R. 214 BRIDGE REPLACEMENT S.R. 6242				
R.N. 1041910 OVER MCCULLY CREEK				
TOWN OF VAN ETTEN				
CHEMUNG COUNTY				
P.L.N. 6017.17			B.S.N. 1041910	



ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
AS SHOWN ON DRAWINGS

SIGNATURE _____ DATE _____

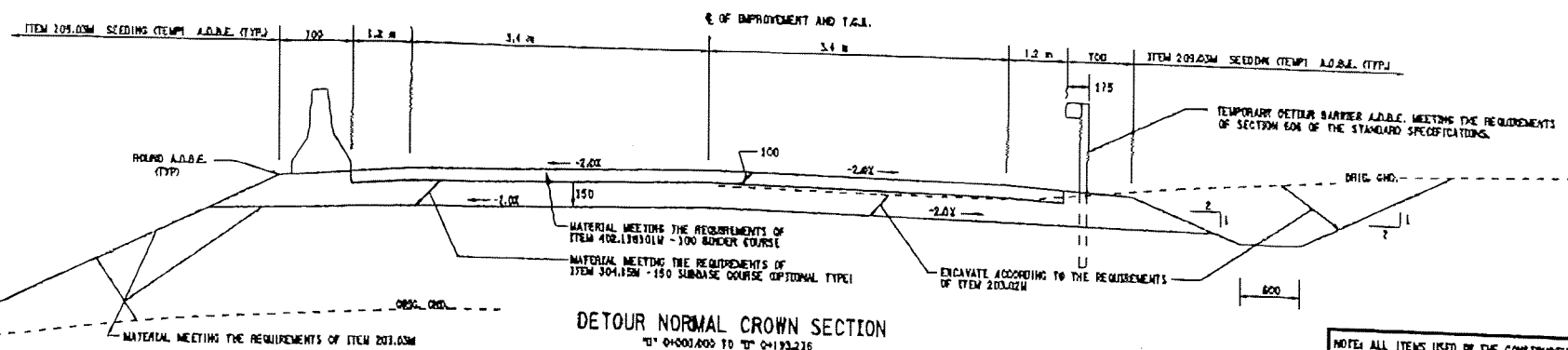
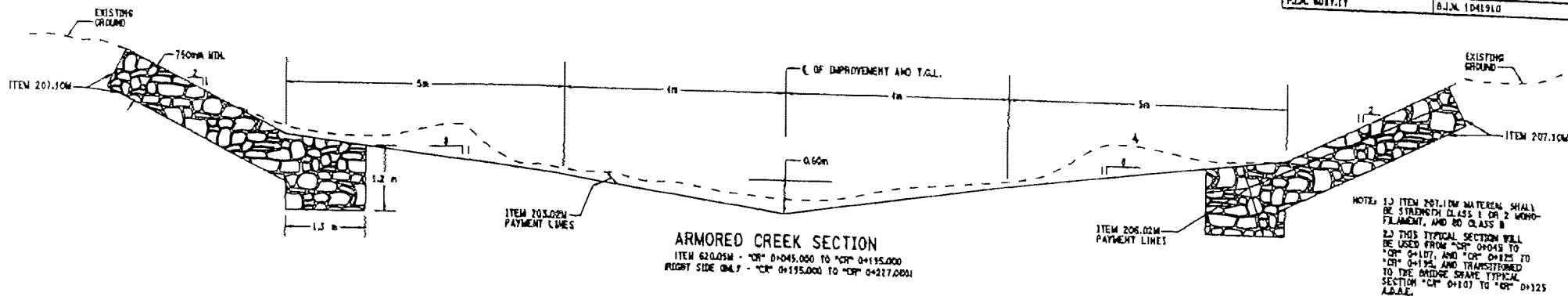
MCCULLY CREEK
PLAN VIEW

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILE NO. _____ REVIEW _____ DATE _____ RETURNED TO _____

NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETTEN
Sheet 5 of 9

FEA NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	WY.			
S.W. 224 BRIDGE REPLACEMENT SH. R242				
RIN 1D41910 OVER MCCUFFEY CREEK				
TOWN OF VAN ETTEN				
CHENOWETH COUNTY				
P.E.L. 6017.17		B.J.M. 1D41910		



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:
203.02	M UNCLASSIFIED EXCAVATION AND DISPOSAL	CW	"	"		<p>1. THE MAXIMUM ALLOWED RATE AT THE PAYMENT/SLOOGLIDER BREAK SHALL BE .8%. THE SLOOGLIDER SLOPE SHALL BE DETERMINED BY THE DIFFERENCE BETWEEN THE MAXIMUM ALLOWER RATE, AND THE PAVEMENT SUPERELEVATION.</p> <p>2. THE CONTRACTOR SHALL HAVE THE OPTION OF USING ANY SLOOGLIDER OR BARRIER SPECIFIED IN SECTION 606 OF THE STANDARD SPECIFICATIONS. WHICHEVER WILL BE MORE COMPATIBLE WITH THE DETOUR STRUCTURE. ADOBE</p> <p>3. THE CONTRACTORS ATTENTION IS DIRECTED TO THE CONSTRUCTION OF THE DETOUR ENHANCEMENT. CARE SHOULD BE TAKEN BY THE COMPACTION OF THE ENHANCEMENT FOR STABILITY, DUE TO THE THINNER SUBBASE COURSE.</p>
203.03	M EMBANKMENT IN PLACE	CW	"	"		
206.02	M TRENCH AND CULVERT EXCAVATION	CW	"	"		
207.10	M GEOTEXTILE BEDDING	SU	"	"		
208.03	M TEMPORARY SEEDSNG	SW	"	"		
304.15	M SUBBASE COURSE, OPTIONAL TYPE	CU	"	"		
402.1B9-901	F9 SUPERPAVE HMA, 19.0 mm - 10 SERIES	WT	"	"		
62L06	M HEAVY STONE FILL	CW	"	"		
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.	M	"	"	"		
.	AJ	"	"	"		

NOTE: ALL ITEMS USED BY THE CONSTRUCTION OF THE DETOUR SHALL MEET THE REQUIREMENTS FOR THE ITEM NUMBERS SHOWN AND BE PAID FOR UNDER ITEM 518.00-1-TEMPORARY STRUCTURES AND APPROACHES, UNLESS OTHERWISE NOTED. THE TEMPORARY DETOUR RATING SHALL BE A MINIMUM OF 12 IN WIDE FROM FACE OF GUIDE RAIL TO FACE OF GUIDE RAIL.

ALL DIMENSIONS ARE IN INCH UNLESS OTHERWISE NOTED

SIGNATURE _____

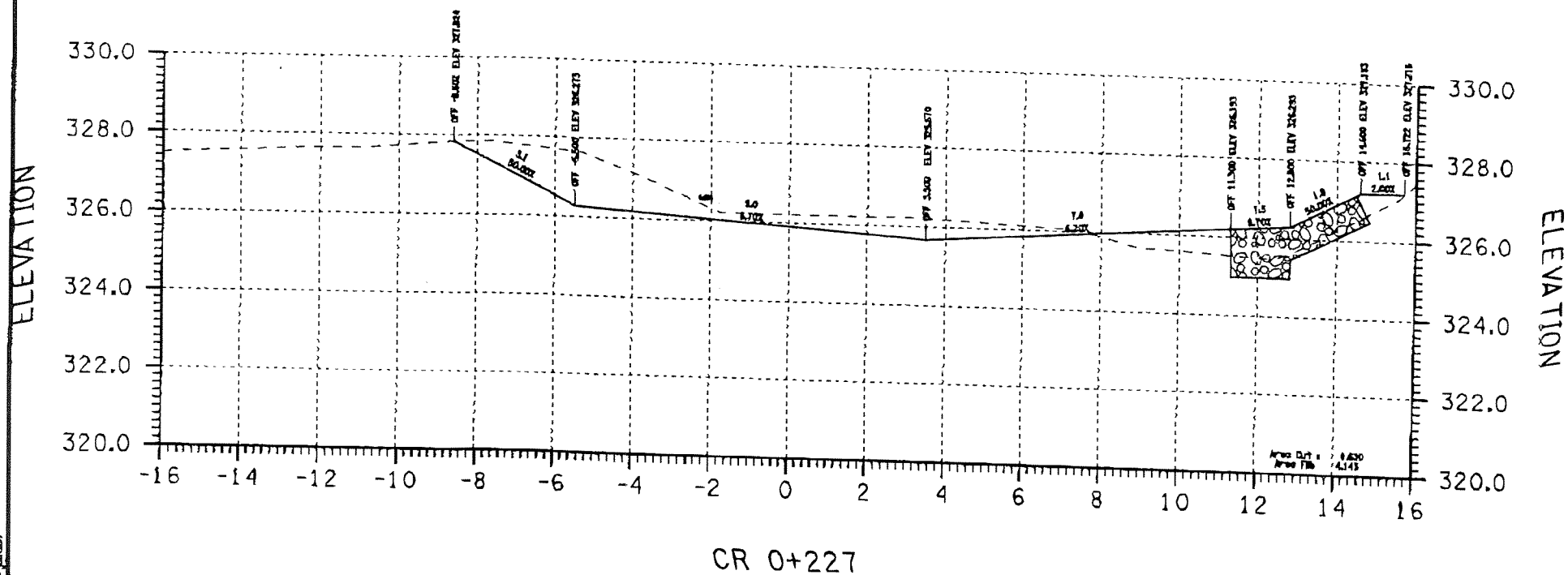
DETOUR
TYPICAL SECTIONS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

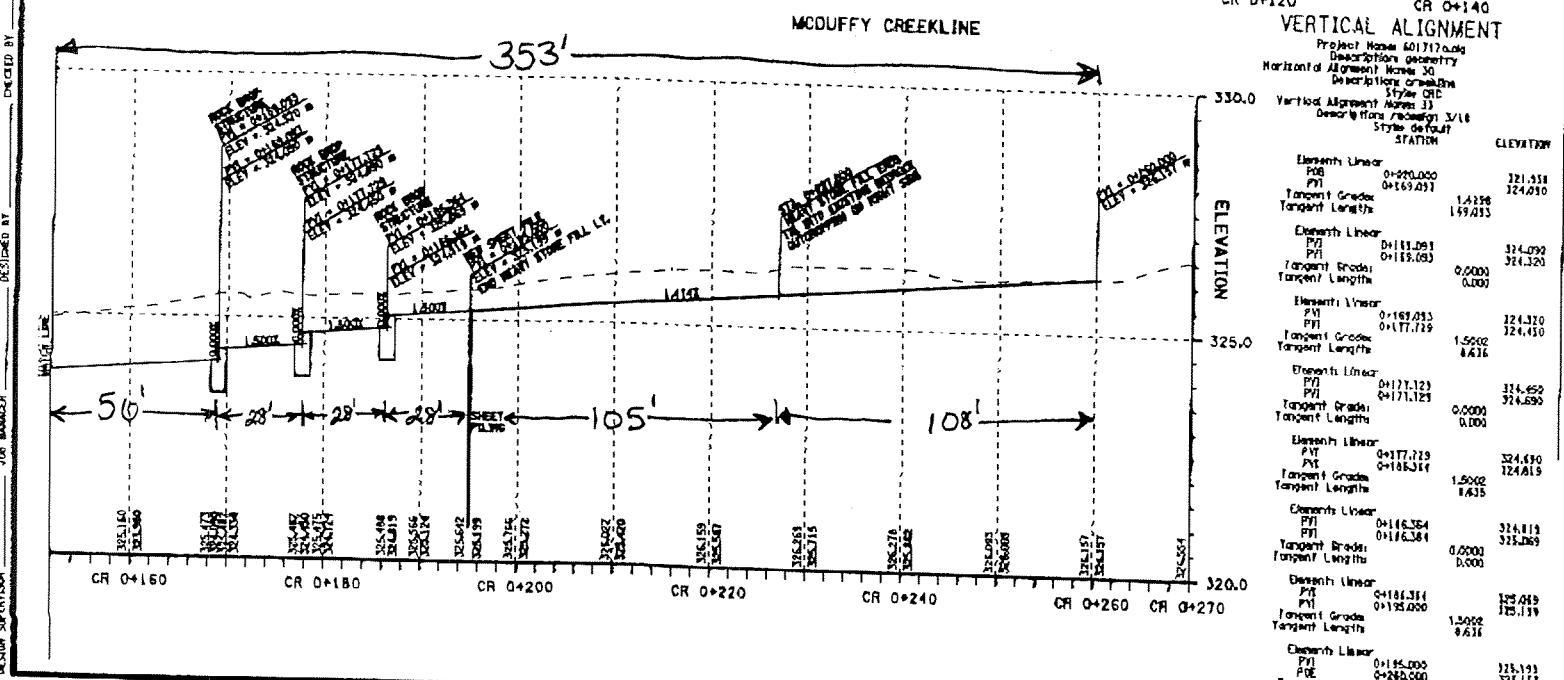
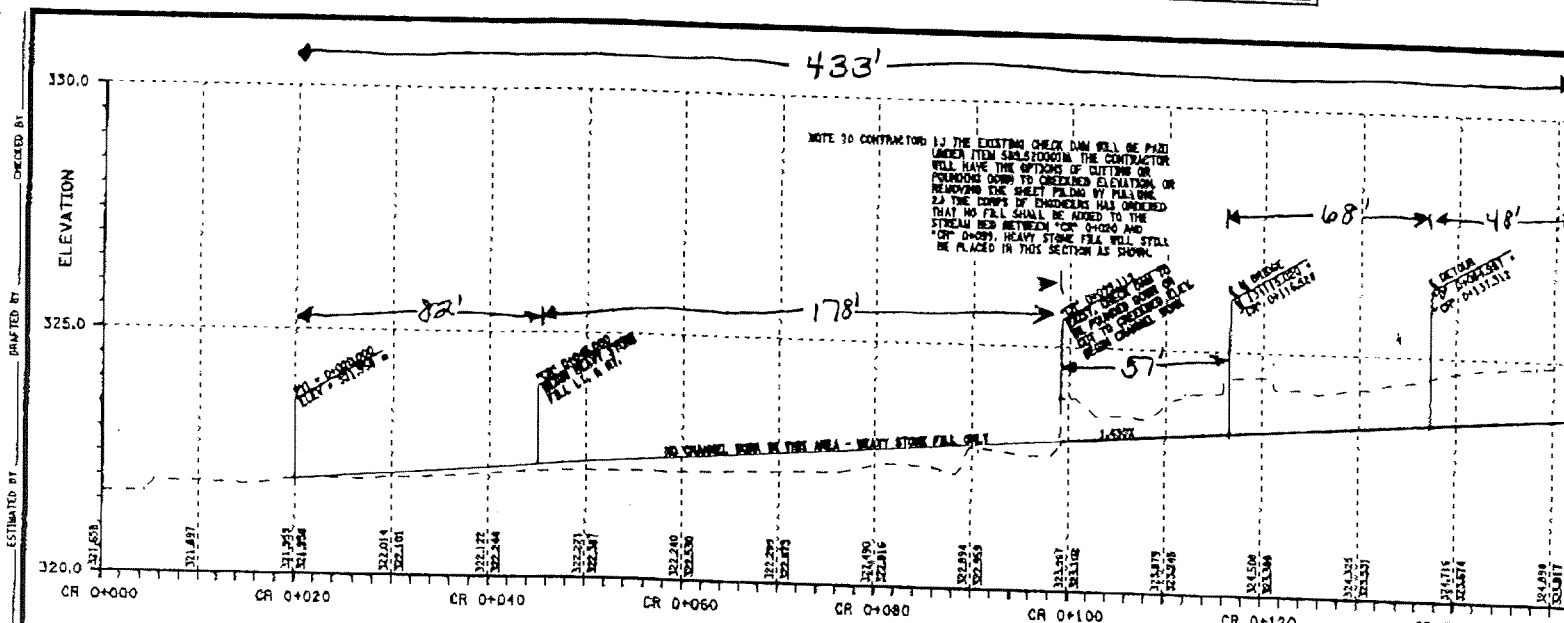
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NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETEN
Sheet 6 of 9

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.			
BRIDGE REPLACEMENT OVER MCDUFFY CREEK				
TOWN OF VAN ETEN - CHEMUNG COUNTY				
P.L.N. 6017.17			R.L.N. 104191.0	



NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETEN
Sheet 7 of 9



FED. ROAD DIST. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	NY		29	63

S.R. 220 BRIDGE REPLACEMENT SH. 2242
CR 1041910 OVER MCDUFFY CREEK
TOWN OF VAN ETEN
CHEMUNG COUNTY
PLAN 6017.17
ALJL 1041910

HORIZONTAL ALIGNMENT			
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Description: geometry			
Horizontal Alignment Name: 10			
Description: geometry			
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VERTICAL ALIGNMENT			
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Description: geometry			
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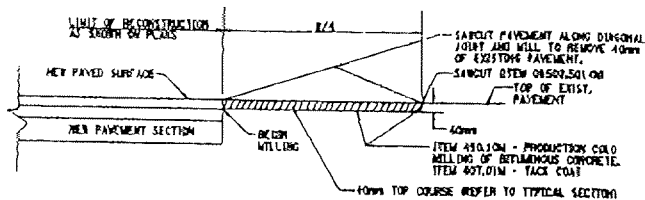
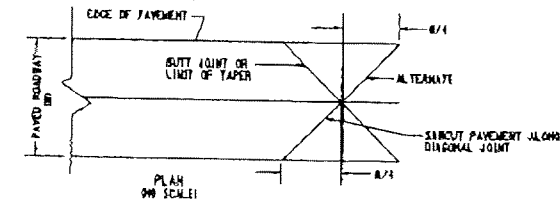
NEW YORK STATE DEPARTMENT OF
TRANSPORTATION - PIN 6017.17
D/A Processing No. 2003-00116(0)
Chemung County, New York Quad: VAN ETEN
Sheet 8 of 9

02/25/2003 09:44

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USAGE LOGISTICS

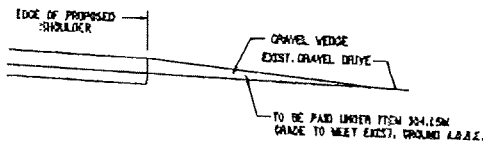
PAGE 09



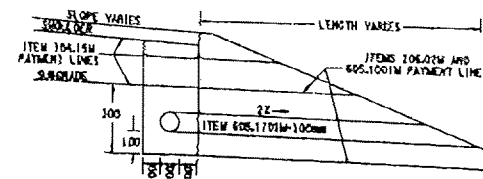
PAVEMENT TAPER AND SPLICE JOINT - TERMINATION DETAIL
MILLING AND RESURFACE TO INCLUDE IN STA. 13+005.000 TO 13+090.000 AFTER DETOUR REMOVAL

NOTE 1: MULTI JOINTS WILL BE REQUIRED ON MACHINING AT THE JUNCTION OF THE NEW AND EXISTING PAVEMENTS AT MAJOR INTERSECTIONS, OR AS REQUIRED TO PROVIDE A SMOOTHER ROAD PAVEMENT TRANSITION.

NOTE 2: ALL WORK SHALL BE PAID SEPARATELY UNDER THE APPROPRIATE CONTRACT ITEM.



DRIVEWAY DETAILS GRAVEL



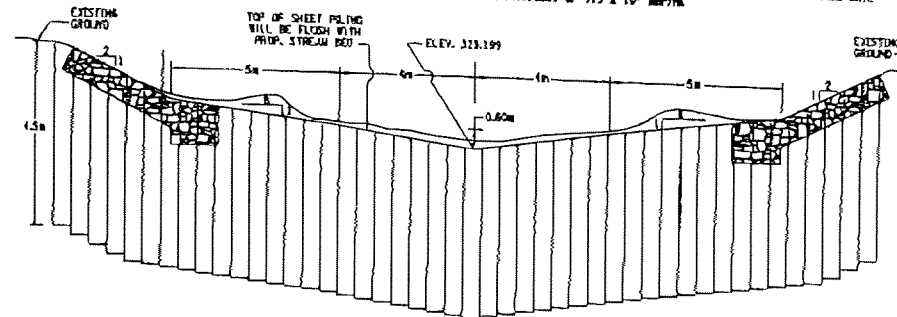
UNDERDRAIN OUTLET DETAIL

- NOTES: 1. LOCATION OF DRIVEWAYS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. FINAL LOCATION WILL BE DETERMINED AS BUILT.
2. DRIVEWAY SHALL BE CONSTRUCTED TO COMPLY WITH STANDARDS AND DIMENSIONS ESTABLISHED IN THE NEW YORK STATE POLICY AND STANDARDS FOR DRIVEWAYS TO STATE HIGHWAY'S MANUAL.
3. DIMENSIONS AS SHOWN ON A.B.E.
4. THE FINAL QUANTITY OF GRAVEL MATERIAL WILL BE DETERMINED BY THE ENGINEER AS NECESSARY TO MEET FIELD CONDITIONS.

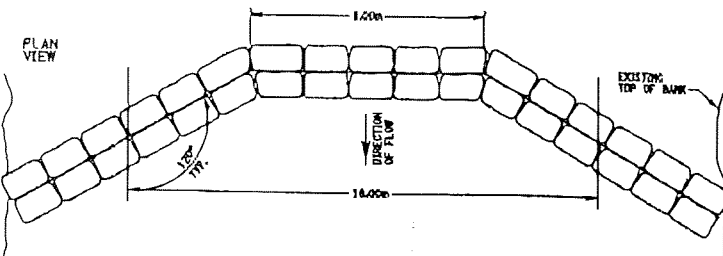
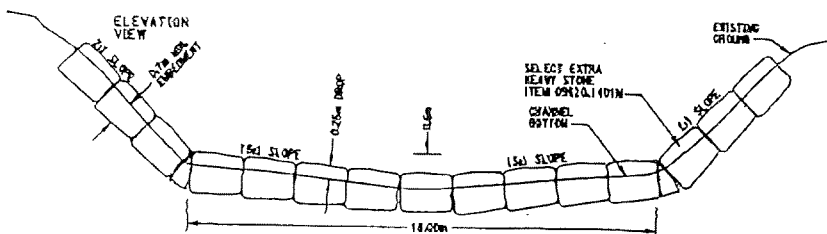
FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		13	
S.R. 224 BRIDGE REPLACEMENT SH. 6242				
R.M. 1041910 OVER MCCUFFY CREEK				
TOWN OF VAN ETEN				
CHEMUNG COUNTY				
P.L.M. 6017.17				
R.M. 1041910				

ITEM 552.11M - PERMANENT SHEETING					
LOCATION	ELEVATION	UNIT WEIGHT	FRICTION ANGLE	COHESION	PULL FRICTION
BEFORE	BEFORE	LB/FT ²	DEGREES	LB/FT	ANGLE DEGREES
CR-01152	375.159	14.90	30	0	0.01

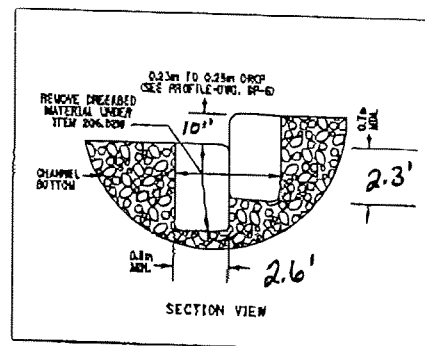
NOTE: THE PERMANENT STEEL SHEETING TO BE USED IN THE CHECKDAM SHALL HAVE A SECTION MODULUS OF 913 X 10⁴ IN⁴/FT.



CHECK DAM DETAIL
ITEM 552.11M - PERMANENT SHEETING
STATION 13+155.000



TYPICAL PROPOSED ROCK CHECK DAM (DROP STRUCTURE)
ITEM 016.013, 0177.324, AND 016.034



SECTION VIEW

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
AS BUILT MEASUREMENTS

SIGNATURE _____ DATE _____

MCCUFFY CREEK
MISCELLANEOUS DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILE NO. 6017.17 ITEM 6 DATE 12/02 DRAWING NO. 10-1

DESIGNED BY

CREATED BY

ESTIMATED BY

CHECKED BY

DESIGNED BY

DESIGNED BY

DESIGNED BY

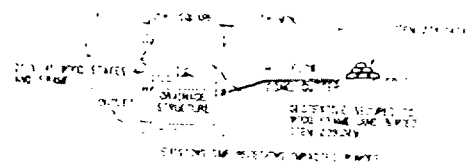
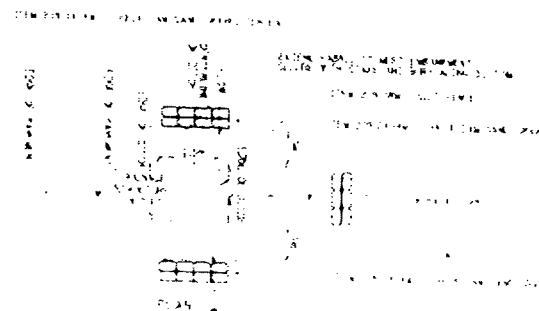
DESIGNED BY

TEMPORARY SOIL EROSION CONTROL PLAN

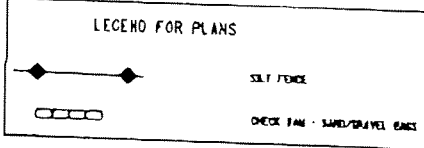
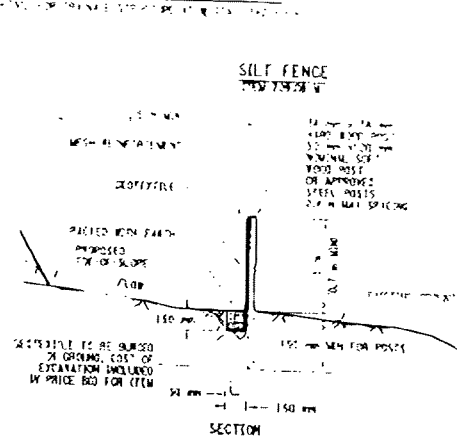
1. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF ANY APPLICABLE STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION WATER QUALITY CERTIFICATION AND OF ANY OTHER FEDERAL, STATE, OR LOCAL REGULATIONS, ORDINANCES, AND DECISIONS PERTAINING TO THE PROPOSED PROJECT FOR DISTURBED AREAS.
2. THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL ACT AND ALL OTHER REGULATIONS, ORDINANCES, AND DECISIONS PERTAINING TO THE PROPOSED PROJECT.
3. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT CONTAMINATION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
4. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
5. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
6. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
7. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
8. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
9. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.
10. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE SURFACE WATER BY EROSION, SILTATION, AND OTHER POLLUTANTS ASSOCIATED WITH THE CONSTRUCTION AND OPERATION OF THE PROJECT.

STATION TO STATION	SIZE	QUANTITY	SIZE	QUANTITY
100' TO 150'	1/2"	100	1/2"	100
150' TO 200'	1/2"	100	1/2"	100
200' TO 250'	1/2"	100	1/2"	100
250' TO 300'	1/2"	100	1/2"	100
300' TO 350'	1/2"	100	1/2"	100
350' TO 400'	1/2"	100	1/2"	100
400' TO 450'	1/2"	100	1/2"	100
450' TO 500'	1/2"	100	1/2"	100
500' TO 550'	1/2"	100	1/2"	100
550' TO 600'	1/2"	100	1/2"	100
600' TO 650'	1/2"	100	1/2"	100
650' TO 700'	1/2"	100	1/2"	100
700' TO 750'	1/2"	100	1/2"	100
750' TO 800'	1/2"	100	1/2"	100
800' TO 850'	1/2"	100	1/2"	100
850' TO 900'	1/2"	100	1/2"	100
900' TO 950'	1/2"	100	1/2"	100
950' TO 1000'	1/2"	100	1/2"	100
TOTAL		1000		1000

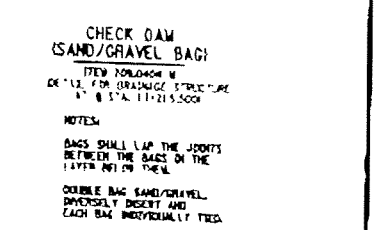
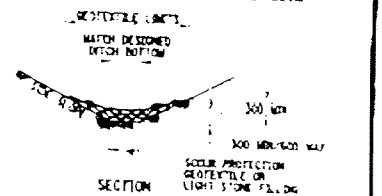
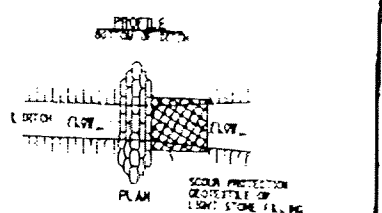
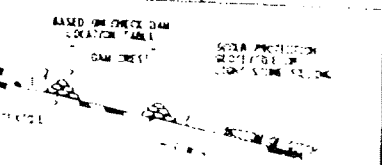
NOTE: TEMPORARY SEEDING SHALL MEET THE REQUIREMENTS OF NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL ACT.



SECTION DRAINAGE STRUCTURE CURTAIN



FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	NY		11	63



ALL DIMENSIONS ARE IN IN. UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

MODIFY CHECK

TEMP. EROSION CONTROL DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

PROJECT NO. 2003-00116(0) REGION 1 DATE 11/01/03 DRAWING NO. 9-2

McDuffy Creek Channel Work Sequence

The NYS DOT anticipates the following general work sequence for the McDuffy Creek Channel Work Sequence:

1. Material Creek Channel beneath the proposed temporary dam in excavating the finish grade elevation. Also place heavy stone bank protection in this area.
2. Cover the existing street with check dam as shown in Plans.
3. Install check dam structure.
4. Place cofferdams as appropriate and remove the existing bridge.
5. Construct new bridge and associated heavy stone work adjacent to it.
6. Remove check dam structure.
7. Excavate material on the east of the creek channel, in conjunction with installing heavy stone bank protection, starting and completing the west side of the channel first, then switching to the east side. We anticipated using a berm of material from the existing creek channel to isolate the heavy stone work from McDuffy Creek. New stone check dams are constructed at the same time as the placement of heavy stone bank protection.
8. Complete remaining channel work.

The NYS DOT recognizes that the work necessary to complete this bridge replacement project could be accomplished in different sequence than what is shown. Should the Contractor choose a different sequence of operations, they shall provide to the EBC a proposed method of soil erosion control measures prior to the beginning of work.